

ATTACHMENT B
Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A hydromechanical chuck, having one end for mounting in a machining device, and having a second end for releasably holding a shaft tool, the chuck comprising:

an inner sleeve with an axial bore for receiving a shaft of the shaft tool,
a clamping means, wherein the inner sleeve and an outer sleeve encloses at least one chamber in which a clamping means in a shape of an annular piston is enclosed, which piston by means of hydraulically operating means is displaceable in an axial direction, wherein the inner sleeve and the outer sleeve are joined together and wherein the piston and the inner sleeve have respective contacting and interacting conical surfaces with each other, whereby axial displacement of the piston in one direction causes radial compression of the inner sleeve for clamping the shaft tool, and axial displacement of the piston in another direction causes relief of the inner sleeve for releasing the shaft tool, and

sealing means arranged at the contacting and interacting conical surfaces between the piston and the outer sleeve, the sealing means arranged closer to a pressurization side of the piston than to a relief side.

2. (Previously Presented) The hydromechanical chuck according to claim 1, wherein the hydraulic means include a pressurization chamber arranged at one end of

the piston, and a relief chamber at another end of the piston, which chambers are capable of being filled and pressurized by a hydraulic pressure medium.

3. (Previously Presented) The hydromechanical chuck according to claim 1, wherein the interacting conical surfaces have a conicity that is self locking.

4. (Previously Presented) The hydromechanical chuck according to claim 1, wherein the inner sleeve and the outer sleeve are joined together by welding, threading, soldering, gluing or with a combination thereof.

5-6. (Canceled)

7. (Previously Presented) The hydromechanical chuck according to claim 1, wherein a part intended for clamping a tool is integrated with a part intended for mounting in a machining device.

8. (Canceled)

9. (Currently Amended) A hydromechanical mandrel, having one end for mounting in a machining device, and having another end for releasably holding a tool, the mandrel comprising:

an inner sleeve;

a clamping means, wherein the inner sleeve and an outer sleeve encloses at least one chamber in which a clamping means in a shape of an annular piston is enclosed, which piston by means of hydraulically operating means is displaceable in an axial direction, wherein the inner sleeve and the outer sleeve are joined together and wherein the piston and the outer sleeve have respective contacting and interacting conical surfaces with each other, whereby axial displacement of the piston in one direction causes radial expansion of the outer sleeve for clamping the tool, and axial displacement of the piston in another direction causes relief of the outer sleeve for releasing the tool; and

sealing means arranged at the contacting and interacting conical surfaces between the piston and the outer sleeve, the sealing means arranged closer to a pressurization side of the piston than to a relief side.

10. (Previously Presented) The hydromechanical mandrel according to claim 9, wherein the hydraulic means include a pressurization chamber arranged at one end of the piston, and a relief chamber at another end of the piston, which chambers are capable of being filled and pressurized by a hydraulic pressure medium.

11. (Canceled)

12. (Previously Presented) The hydromechanical chuck of claim 1, wherein the sealing means is in the shape of a sealing ring.

13-14. (Canceled)